Welcome to KRELL

KRELL
THE LEADER IN AUDIO ENGINEERING

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LAT Series

2-way Bookshelf Loudspeaker

LAT-2

The LAT-2 brings the extraordinary power and clarity of the LAT-1 to a 2-way, bookshelf design. Use the LAT-2 wherever space is at premium, but the utmost in sonic purity is demanded. The LAT-2 is based on the same design principles that distinguish the Krell Lossless Acoustic Transducer concept. Sophisticated engineering and uncompromised construction result in dynamic, transparent, uncannily accurate sound reproduction rarely achieved in any speaker, regardless of size or the number of drivers.

LAT-1
LAT-2
LAT-C
Master Reference Subwoofer

Available in silver and luxurious black

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FEATURES

All Krell LAT loudspeakers feature massive aluminum construction. The enclosures range from 0.75 to 1.5 inches in wall thickness. 3-way designs feature an internal midrange/tweeter sub-enclosure that is constructed of heavy aluminum plate. The shape of the enclosures is determined by custom aluminum extrusions, the curvatures of which are designed to absolutely minimize the effects of internal standing waves and external high-frequency diffraction. Such extensive use of aluminum may seem extravagant, but the sonic benefits are undeniable. Other than concrete and lead, which are not practical choices, aluminum possesses the ideal combination of structural rigidity and resonance damping characteristics. Within the audio passband, Krell LAT loudspeaker enclosures are sonically inert--something that cannot be said about any wood or wood derivative.

The LAT-2 vented cabinet features two rear bass ports precisely dimensioned and positioned with respect to the woofer to eliminate turbulence while providing the correct acoustic loading.

A 2nd-order Bessel crossover preserves phase coherence and optimizes power response. All crossover circuitry utilizes 1/8-inch thick glass epoxy circuit boards with 4 oz. copper traces, ensuring low microphonics, low resistance, low inductance, and high current handling. Network inductors are all air-core pure copper designs. Individually potted polypropylene WIMA capacitors are used in parallel to minimize inductance and resistance, and improve current handling.

The 7-inch (18 cm) midbass drive unit used in the LAT-2

features the same multifaceted cone construction and proprietary suspension design as the midrange units in the LAT-1. This advanced driver design simultaneously ensures extraordinary bass reproduction and midrange accuracy.

The tweeter is identical to the unit used in the LAT-1. A 1-inch (25 mm) tweeter delivers flat response to 50 kHz. The tweeter features a central waveguide that optimizes dispersion characteristics.